



RebarCAD
World Class Rebar Software

CASE STUDY

APOLLO OMR MULTI-SPECIALITY HOSPITAL CHENNAI



LARSEN & TOUBRO

THE PROJECT

Apollo OMR Multi-Specialty Hospital is a specialist hospital based in Chennai. The building consists of 10 operating theatres, a purpose built intensive care unit which can accommodate 63 patients and 400 single patient rooms with en-suite bathrooms.

Completed in 2013, the development was South Asia's first Hospital with the facility to treat cancer patients with proton therapy. To facilitate this specialist treatment the plans for the projects included a proton & linac bunker which consists of 2 to 4m thick slabs and walls.

To accommodate patients and visitors as well as staff the development includes multi-level car parking.

L&T CONSTRUCTION

L&T Construction is India's largest construction organisation and ranked among the world's top 30 contractors. L&T's portfolio of developments spans a wide range of projects including airports, hospitals, substations and infrastructure such as railways, highways and runways.

THE ADVANTAGES OF USING REBARCAD ON THE PROJECT

L&T construction used RebarCAD for the detailing on this development. The ease of use and the accuracy the software offers would be invaluable on a large and complex development of this kind with specialist

facilities. There were a number of features which helped with accuracy and time management on the development.

RebarCAD enabled calculations to be made with great precision and to improve time efficiencies. The client reported that the auto numbering, bar mark and dimensions line assigning features of the RebarCAD software made the drafting easy and actually reduced the timeline on the project. Based on bar cut length, the lapping location is auto detected by the software. This feature bridges the gap between designer and workers on site enabling better coordination on the project. L&T also reported that the quantity take off feature was of key importance. This provides the exact quantity of rebar with the bar bending schedule. This meant they were able to save considerable time in the BOQ reconciliation process and work on site bar cutting activity could begin without any waiting or delays.

ABOUT REBARCAD

RebarCAD software is the world's number one solution of its kind. Over 100 million man hours of reinforcement detailing is carried out using RebarCAD around the world each year. CADS is one of the world's leading developers specialising in solutions for the international construction industry. CADS has an installed worldwide user base of more than 6000 customers, who use in excess of 60,000 copies of CADS programs in more than 80 countries.

REBARCAD CUSTOMER:

L&T Construction

CLIENT/OWNER:

M/S Apollo Hospitals

LOCATION:

Chennai, India

COMPLETION DATE:

2017

NUMBER OF DETAILED DRAWINGS:

100 drawings

REINFORCING STEEL USED:

Fe500

QUANTITY OF STEEL USED:

5000 metric tonnes



AUTODESK
Authorised Developer

Microsoft Partner
Gold Application Development



GLOBAL CONSTRUCTION
SOFTWARE AND SERVICES

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